BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Construction of Culverts in Ward No. 10 (Doddabommasandra), Vi[illegible]anyapura Sub Division.**

			Estimate Cost:						1000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**	Cum							
	Culvert		10	5.30	2.00	1.20	127.20		
	Basic Rate	82.00					**127.20**	199.36	**25359.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		188.08							
	Area Weightage @ 6%	11.28							
	Total	**199.36**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2016-17**	Cum							
	Bottom Concrete		10	5.30	1.80	0.15	14.31		
	Basic Rate	4867.00					**14.31**	5159.02	**73826.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2016-17**	Cum							
			10x2	5.30	0.60	0.90	57.24		
	Basic Rate	4187.00					**57.24**	4438.22	**254044.00**
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 15.1.2: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20 mm deep, after raking ...ts to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.2 / PWD SR 2016-17**	Sqm							
			10x2	5.30		0.90	95.40		
	Basic Rate	95.00					**95.40**	100.70	**9607.00**
	Area Weightage @ 6%	5.70							
	Total	**100.70**							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2016-17**	Cum							
	Pointing		10	5.30	1.80	0.10	9.54		
	Ramp		10x2	5.30	0.90	0.15	14.31		
	Basic Rate	5441.00					**23.85**	5767.46	**137554.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							
6	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data	Sqm							
			10	5.30	1.80		95.40		
	Basic Rate	5125.00					**95.40**	5125.00	**488925.00**
	Sub Total								**989315.00**
	Third Party Inspection Charges @ 1%								**9893.00**
	Miscellaneous and other Charges	L/S							**792.00**
								Total	**1000000.00**
Rupees Ten Lakh(s) Only									

ADMINISTRATIVE APPROVAL
Accorded For Rs... Ten lakhs only
Head of A/c... P-171
Div. Ref. No... 74 Date 12/01/17
AE
EE(BTP) 12/01

TECHNICAL SANCTION
Accorded For Rs... Ten lakh only
Head of A/c... P-172
Div. Ref. No... 95 Date 12/01/17
12/01

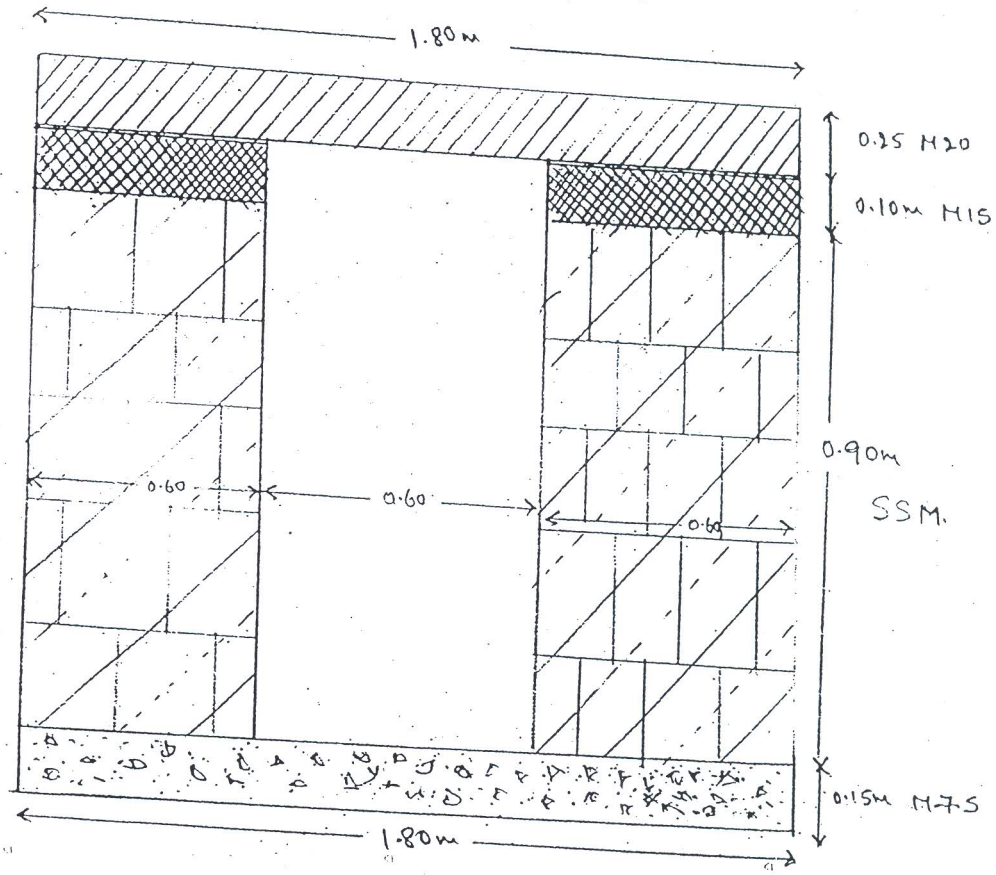
CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17.
3 This work included under 2016-17 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 12/01
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
12/01



CROSS SECTION OF CULVERT

Jadha
AE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97